TROUBLE DETECTOR FOR COIL

Patent number:

JP58066070

Publication date:

1983-04-20

Inventor:

SAITOU SHIGERU

Applicant:

MEIDENSHA ELECTRIC MFG CO LTD

Classification:

- international:

G01R31/02: G05B23/02

- european:

G01R31/06

Application number:

JP19810164442 19811015

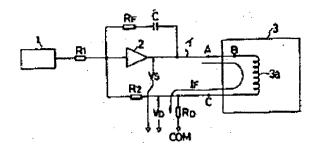
Priority number(s):

JP19810164442 19811015

Abstract of JP58066070

PURPOSE:To handle the trouble in a coil current control circuit quickly while protecting it by detecting the disconnection and short-circuit of a coil in the circuit having a feedback circuit of a coil current.

CONSTITUTION: Disconnections of a coil 3a are possible at points A, B and C, where a short-circuit occurs at the points A and C. When a disconnection occurs, the voltage VD of the resistance RD zeros and the voltage VS rises to let current IF flow. When a short circuit occurs, the VS falls because of VS=VD. But as current fails to flow through the coil 3a, command from a command section 1 increases and the VD itself rises. When higher and lower levels are represented by H and L as compared with the reference value, the voltages of the coil are as shown by the table. This facilitates the determination on whether the coil is normal or in trouble.



4 F	¥.	70	村定
1	14	Н.	E #
2))	L	斯曲
ŝ	L		经棒
4	Ľ	L	E 78

Data supplied from the **esp@cenet** database - Worldwide



(11) Publication number:

58066070 A

Generated Document.

PATENT ABSTRACTS OF JAPAN

(21) Application number: **56164442**

(51) Intl. Cl.: **G01R 31/02** G05B 23/02

(22) Application date: 15.10.81

(30) Priority:

(43) Date of application publication:

20.04.83

(84) Designated contracting states:

(71) Applicant: MEIDENSHA ELECTRIC MFG CO.
LTD

(72) Inventor: SAITO HIDE

(74) Representative:

(54) TROUBLE DETECTOR FOR COIL

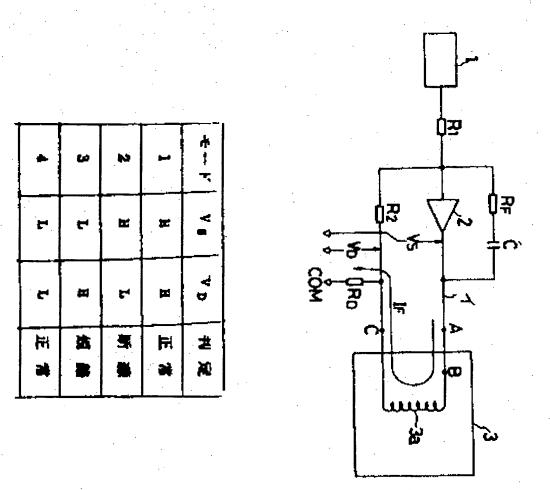
(57) Abstract:

PURPOSE: To handle the trouble in a coil current control circuit quickly while protecting it by detecting the disconnection and short-circuit of a coil in the circuit having a feedback circuit of a coil current.

CONSTITUTION: Disconnections of a coil 3a are possible at points A, B and C, where a short-circuit occurs at

determination on whether the coil is by the table. This facilitates the the voltages of the coil are as shown compared with the reference value, current fails to flow through the coil normal or in trouble. are represented by H and L as section 1 increases and the VD itself 3a, command from a command of the resistance RD zeros and the rises. When higher and lower levels VS falls because of VS=VD. But as flow. When a short circuit occurs, the voltage VS rises to let current IF disconnection occurs, the voltage VD the points A and C. When a

COPYRIGHT: (C)1983, JPO& Japio



Page 4 of 4

This Page is Inserted by IFW Indexing and Scanning Operations and is not part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images include but are not limited to the items checked:

BLACK BORDERS

IMAGE CUT OFF AT TOP, BOTTOM OR SIDES

FADED TEXT OR DRAWING

BLURRED OR ILLEGIBLE TEXT OR DRAWING

SKEWED/SLANTED IMAGES

COLOR OR BLACK AND WHITE PHOTOGRAPHS

GRAY SCALE DOCUMENTS

LINES OR MARKS ON ORIGINAL DOCUMENT

REFERENCE(S) OR EXHIBIT(S) SUBMITTED ARE POOR QUALITY

IMAGES ARE BEST AVAILABLE COPY.

☐ OTHER:

As rescanning these documents will not correct the image problems checked, please do not report these problems to the IFW Image Problem Mailbox.